

CELL-FREE TISSUE REPLACEMENT FOR TISSUE ENGINEERING

ABSTRACT

[0097] The present invention is a natural, cell-free tissue replacement that does not require difficult or extensive preparation made by washing tissue replacement in a solution including one or more sulfobetaines and an anionic surface-active detergent and washing the tissue replacement in serial solutions of the buffered salt to remove excess detergent. The natural, cell-free tissue replacement
5 may be a nerve graft that supports axonal regeneration, guides the axons toward the distal nerve end and/or is immunologically tolerated. Other forms of the invention are a composition and kit prepared by the method of making a native, cell-free tissue replacement. The present invention may be modified for use in diagnostic, therapeutic, and prophylactic applications.